

ABSTRACT

PURPOSE: To improve observation shadow reading of a medical image, and a diagnostic function by providing information for determining a relative image display position on the medical image, and relating the photographing direction and a photographing means of the medical image in a specific examination of a body to be examined, and the relative image display position.

CONSTITUTION: Image data of a medical image generated by an image collecting device 11, and its examination information and image incidental information are stored in a data base (DB) 12. Subsequently, when a patient's ID number is inputted from an input device 36 of a work station (WS) 13. Its ID is sent out to the DB 12, and the DB 12 transfers desired inspection information to the WS 13. Next, the WS 13 displays the inspection information as a patient's examination history to a character display device 37. In such a state, when an examination for shadow reading is designated, image incidental information and image data of a shadow reading object examination are transferred to the WS 13 from the DB 12. Subsequently, by a display position specifying means in an examination information/image incidental information storage device 39, a display position of each medical image is determined and displayed on an image display device 38.

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DEVICE AND SYSTEM FOR RETRIEVING IMAGE STORAGE

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ABSTRACT

PURPOSE: To read out an image at every patient, to quickly execute image retrieval and to reduce storage capacity in an image storage retrieving device for storing and retrieving medical images.

CONSTITUTION: A storage device using a rewritable medium such as an erasable optical disk device 201 is used for a part of an image storage device 20 in the image storage inspection device, continued areas for recording the fixed amount of image data at every patient and the image data managing information of the patient are secured in the medium to record image data non-reversibly compressed by a non-reversible data compressing means at a relatively low compression ratio in the areas and image data non-reversibly compressed by the non-reversible data compressing means at a comparatively high compression ratio are time-sequentially recorded in an image prepared on another part of the device 20. Consequently an image reading time for normal comparing reading can be extremely shortened and the long preservation of images data can be guaranteed.

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IMAGE RECORDING DEVICE

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ABSTRACT

PURPOSE: To offer an image recording device capable of recording images in a same recording medium even when the sizes of the images are different from each other.

CONSTITUTION: By putting image signal data together for each group corresponding to the image and storing them in a frame memory area 6, presetting preset data calculated in accordance with arrangement instruction information by a take-in position control part 7 in an address counter 9, the reading out image signal data stored in the frame memory 6 from the address of the frame memory designated in address by the address counter 9 receiving a read-out clock pulse and storing them in a line buffer memory 11, the recording associated with the image signal data stored in the line buffer memory